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What are the main sources of electricity in Slovenia?

A paid subscription is required for full access. Nuclear power is the most used source of electricity production in Slovenia. In 2022, nuclear power plants accounted for 42 percent of total electricity generation. Coal-fired and hydropower plants followed, each making up approximately 24 percent of power production that year.

Does Slovenia have gas storage facilities?

Slovenia does not have gas storage facilities, and is dependent on infrastructure in Austria and Croatia. Slovenia has expressed interest in securing U.S. LNG sources via terminals in Krk, Croatia, or Rovigo, Italy, to diversify its supply. Beginning in 2027, Geoplina booked additional capacity to acquire LNG from the Krk terminal.

What is Slovenia's energy capacity?

The reference capacity in the related scenario is 1.1 GW, from a range of 1 GW to 2.4 GW. A small modular reactor (SMR), of 250 MW, would come online by mid-century, the NECP reads. Slovenia plans to maintain a high level of electricity connectivity with neighboring countries, with a goal of more than 80%.

Will Slovenia build a second nuclear power plant?

Slovenia aims to decide by 2028 whether it will build its second nuclear power plant. The government is targeting a 55.4% share of renewables in electricity, 45.2% in heating and cooling and 25.8% in transportation, according to the updated NECP for 2030.

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The University of Ljubljana and the National Institute of Chemistry are focused on creating sustainable energy materials and ...

Slovenia's energy landscape is undergoing a transformative shift, fueled by strategic investments and groundbreaking innovations aimed at enhancing renewable energy storage technologies.

This article explores how Slovenia's unique energy landscape benefits from advanced storage technologies, supported by real-world data and actionable insights for businesses.

The European Commission has approved a EUR150 million Slovenian scheme to support the rollout of renewable energy and heat as well as energy storage, in line with the ... r inter ...

Slovenia targets 400 MW in BESS, 100 MW in electrolyzers and more pumped storage in the updated Integrated National Energy and Climate Plan.

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Electrochemical energy storage (EcES), which includes all types of energy storage in batteries, is the most widespread energy storage system due to its ability to adapt to ...

When exploring the Energy Storage industry in Slovenia, several key considerations emerge. Regulatory frameworks play a crucial role; Slovenia's energy policies are aligned with ...

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